COCHRAN	WALL H
Ö	6' - 0"
ADAM (8' - 0"
AD/	10' - 0"
.: ∷	12' - 0"
₹	14' - 0"
ORAWN BY	16' - 0"
	18' - 0"
	20' - 0"
	22' - 0"

WALL HT	CMU WIDTH	x	BAR "D"	BAR "C"	DIAM.	BAR "P"	DEPTH D1	DEPTH D2
6' - 0"	8"		#6 @ 48"	_	12"	6~#5	5' - 3"	4' - 9"
8' - 0"	8"		#6 @ 48"	_	12"	6 ~ #5	6' - 0"	5' - 3"
10' - 0"	8"		#6 @ 48"		12"	6 ~ #5	6' - 9"	5' - 9"
12' - 0"	8"		#6 @ 48"	_	12"	6~#5	7' - 3"	6' - 3"
14' - 0"	8"		#6 @ 32"		12"	6 ~ #6	7' - 9"	6' - 9"
16' - 0"	10"	5' - 4"	#6 @ 32"	_	12"	6 ~ #7	8' - 3"	7' - 0"
18' - 0"	10"	6' - 0"	#6 @ 48"	#6 @ 48"	12"	6 ~ #8	8' - 9"	7' - 6"
20' - 0"	10"	6' - 8"	#6 @ 32"	#6 @ 32"	12"	6 ~ #9	9' - 3"	7' - 9"
22' - 0"	10"	7' - 4"	#6 @ 24"	#6 @ 24"	14"	8 ~ #7	9' - 3"	7' - 9"
24' - 0"	10"	8' - 0"	#6 @ 24"	#6 @ 24"	14"	8 ~ #8	9' - 9"	8' - 3"

TYPE 19A

\A/ALL LIT		TYPE 19B										
WALL HT	CMU WIDTH	x	BAR "D"	BAR "C"	DIAM.	BAR "P"	DEPTH D1	DEPTH D2				
6' - 0"	8"		#6 @ 48"	_	12"	6 ~ #5	6' - 0"	5' - 3"				
8' - 0"	8"		#6 @ 48"		12"	6 ~ #5	7' - 0"	6' - 0"				
10' - 0"	8"		#6 @ 48"	_	12"	6 ~ #6	7' - 9"	6' - 9"				
12' - 0"	10"	4' - 0"	#6 @ 40"		12"	6 ~ #7	8' - 6"	7' - 3"				
14' - 0"	10"	4' - 8"	#6 @ 32"	#6 @ 32"	14"	8 ~ #7	8' - 6"	7' - 3"				
16' - 0"	10"	5' - 4"	#6 @ 24"	#6 @ 24"	14"	8 ~ #7	9' - 3"	8' - 0"				
18' - 0"	10"	6' - 0"	#6 @ 16"	#6 @ 16"	16"	6 ~ #8	9' - 3"	8' - 0"				
20' - 0"	10"	8' - 0"	#7 @ 16"	#7 @ 32"	16"	8 ~ #7	10' - 0"	8' - 6"				
22' - 0"	10"	10' - 0"	#7 @ 16"	#7 @ 24"	16"	8 ~ #8	10' - 6"	9' - 0"				
24' - 0"	10"	12' - 0"	#8 @ 16"	#7 @ 16"	16"	8 ~ #8	11' - 3"	9' - 6"				

14/411 117	TYPE 19C								10/01/11/
WALL HT	CMU WIDTH	x	BAR "D"	BAR "C"	DIAM.	BAR "P"	DEPTH D1	DEPTH D2	WALL HT
6' - 0"	8"	_	#6 @ 48"	_	12"	6 ~ #5	5' - 9"	5' - 0"	6' - 0"
8' - 0"	8"		#6 @ 48"		12"	6 ~ #5	6' - 6"	5' - 6"	8' - 0"
10' - 0"	8"		#6 @ 48"		12"	6 ~ #5	7' - 3"	6' - 3"	10' - 0"
12' - 0"	8"		#6 @ 40"	_	12"	6 ~ #6	7' - 9"	6' - 9"	12' - 0"
14' - 0"	8"	5' - 4"	#6 @ 40"	_	12"	6 ~ #7	8' - 6"	7' - 3"	14' - 0"
16' - 0"	10"	5' - 4"	#6 @ 32"	#6 @ 32"	14"	8 ~ #6	8' - 6"	7' - 3"	16' - 0"
18' - 0"	10"	6' - 0"	#6 @ 24"	#6 @ 24"	14"	8 ~ #7	9' - 0"	7' - 9"	18' - 0"
20' - 0"	10"	6' - 8"	#6 @ 24"	#6 @ 16"	14"	8 ~ #8	9' - 9"	8' - 3"	20' - 0"
22' - 0"	10"	7' - 4"	#6 @ 16"	#6 @ 16"	14"	8 ~ #9	10' - 3"	8' - 9"	22' - 0"
24' - 0"	10"	8' - 0"	#6 @ 16"	#6 @ 16"	16"	8 ~ #8	10' - 3"	8' - 9"	24' - 0"
	_ RIGH	IT-OF-WAY	1	•	•	•			•

10	12 - 0	#0 @ 10	#/ (@ 10	10	0 ~ #0	11-3	9-0		
TYPE 19D									
CMU WIDTH	x	BAR "D"	BAR "C"	DIAM.	BAR "P"	DEPTH D1	DEPTH D2		
8"		#6 @ 48"		12"	6 ~ #5	6' - 6"	5' - 9"		
8"	_	#6 @ 48"	_	12"	6 ~ #6	7' - 6"	6' - 6"		
10"	4' - 0"	#6 @ 24"		12"	6 ~ #7	8' - 3"	7' - 0"		
10"	4' - 8"	#6 @ 32"	#6 @ 32"	14"	8 ~ #7	8' - 6"	7' - 3"		
10"	4' - 8"	#6 @ 24"	#6 @ 24"	14"	8 ~ #7	9' - 3"	8' - 0"		
10"	5' - 4"	#6 @ 16"	#6 @ 16"	16"	6 ~ #8	9' - 6"	8' - 0"		
10"	7' - 4"	#7 @ 16"	#7 @ 24"	16"	8 ~ #8	10' - 0"	8' - 6"		
10"	9' - 8"	#8 @ 16"	#7 @ 16"	16"	8 ~ #9	10' - 9"	9' - 3"		
10"	12' - 0"	#8 @ 16"	#7 @ 16"	16"	8 ~ #10	11' - 6"	9' - 9"		
10"	15' - 0"	#8 @ 16"	#7 @ 16"	18"	8 ~ #10	11' - 6"	9' - 9"		

NOTES

- 1. Wall to be designated Noise Barrier Wall Type 19A, 19B, 19C, or 19D. The Contract specifies actual wall designations.
- 2. For intermediate wall heights, use the next higher H.
- 3. All masonry shall be hollow unit and installed as running bond.
- 4. All masonry is to be specially inspected.
- 5. All Concrete Masonry Unit (CMU) cells the have vertical steel reinforcing bars or bond beam units shall be filled with grout.
- 6. Panels shall have at least 3 feet of level ground on each side.
- 7. Construction joints in the shaft cap shall be spaced 120 feet maximum.
- 8. See "Masonry Wall Finishes and Details" sheet for masonry block finishes, special shapes, sizes and lavouts.
- 9. The Contract specifies actual foundation requirements D1 or D2.

	SOIL TYPE							
	SOIL TYPE	ANGLE OF INTERNAL FRICTION (DEGREES						
\dashv	D1	32						
	D2	38						

WIND EXPOSURE & VELOCITY						
NOISE BARRIER TYPE	WIND EXPOSURE	WIND VELOCITY (MPH)				
19A	B1	80				
19B	B1	90				
19C	B2	80				
19D	B2	90				

MASONRY WALL ON SHAFT W/ GRADE BEAM FOUNDATION

EXPANSION JOINTS @ 24' - 0" MAX. CENTERS. SEE CONTRACT FOR LOCATIONS



EXPIRES AUGUST 23, 2006

NOISE BARRIER WALL

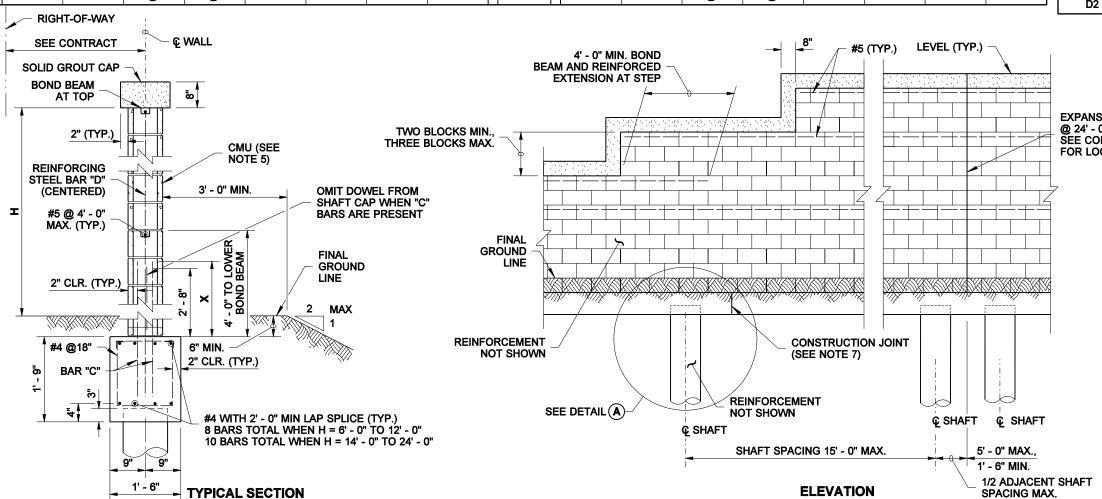
TYPE 19

STANDARD PLAN D-2.66-00

SHEET 1 OF 2 SHEETS

Harold J. Peterfeso

11-10-05



APPROVED FOR PUBLICATION

